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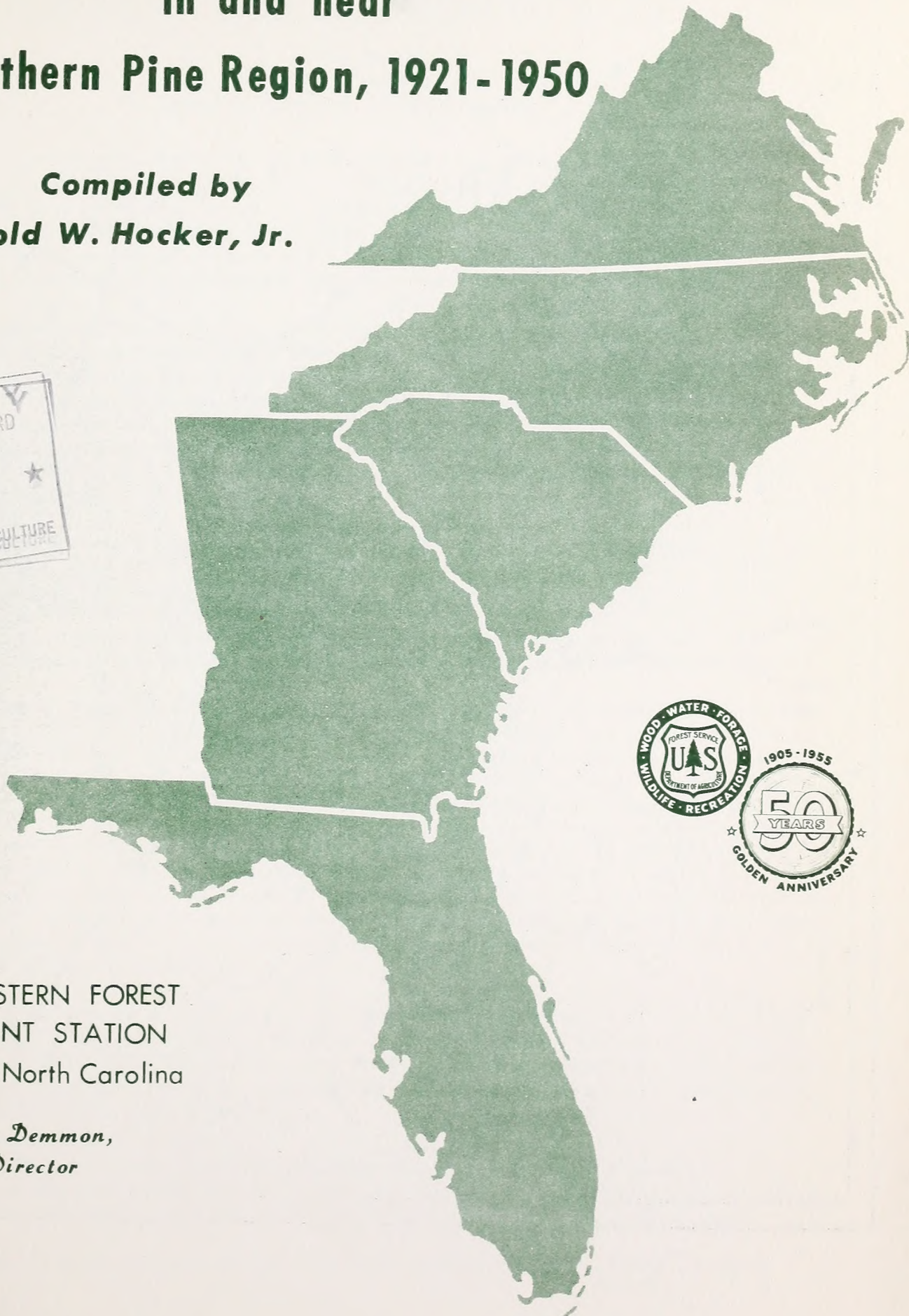
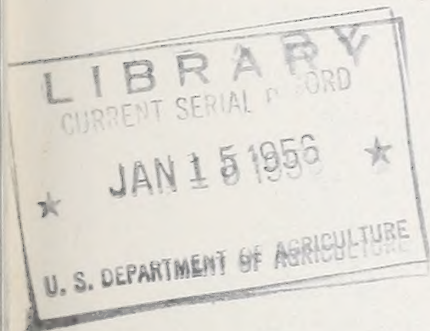


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Climatological Summaries for Selected Stations in and near the Southern Pine Region, 1921-1950

**Compiled by
Harold W. Hocker, Jr.**



SOUTHEASTERN FOREST
EXPERIMENT STATION
Asheville, North Carolina

*E. L. Demmon,
Director*

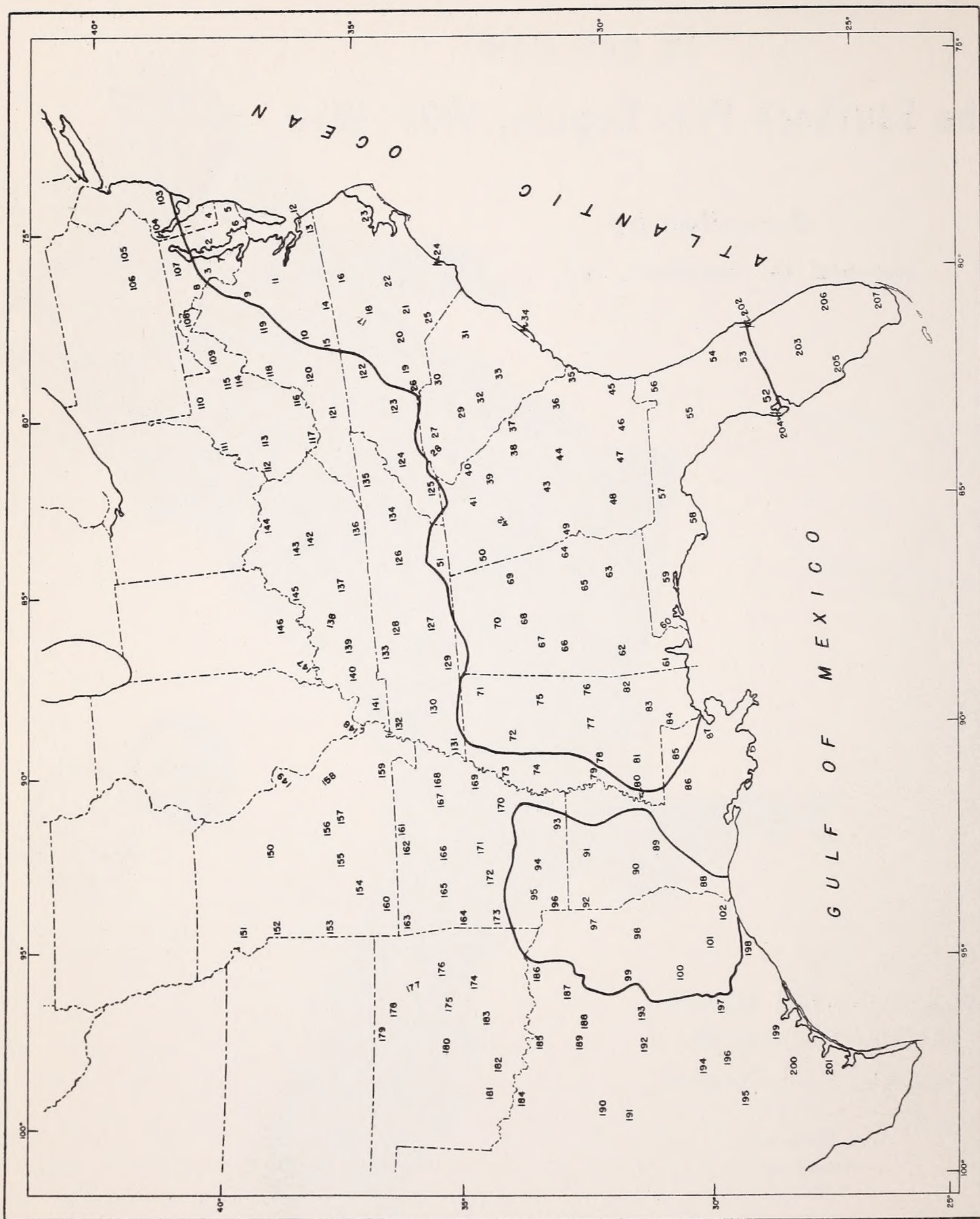


Figure 1.--Location of the selected stations.

CLIMATOLOGICAL SUMMARIES FOR SELECTED STATIONS
IN AND NEAR THE SOUTHERN PINE REGION, 1921-1950

Compiled by
Harold W. Hocker, Jr.
School of Forestry, Duke University

The climatological data in the following tables were assembled and summarized in the course of a study of the relation between climate and the natural distribution of loblolly pine.^{1/} This study was, in part, sponsored by the Southeastern Forest Experiment Station as a cooperative aid project with Duke University School of Forestry. The climatological data are now being made available in the hope that they may be useful to geneticists, silviculturists, ecologists, and others working in the southern pine region.

The climatological stations included were selected to represent equally the region of natural distribution of loblolly pine and an area outside the range of this species but adjacent to it. An attempt was made to obtain insofar as possible a uniform distribution of stations throughout these two regions. As a result, a major portion of the southern pine region is represented. The locations of these stations are plotted by number in figure 1; the names corresponding to these numbers are given in table 3. Of these stations, 83 are first-order U.S. Weather Bureau climatological stations, and 124 are cooperating stations.

The data are based upon U.S. Weather Bureau records for the period 1921 through 1950. In a majority of cases, the averages are based upon records which are complete for the 30-year period, and in no instance is the average based upon a record of fewer than 25 years. The use of records all made within a given 30-year period, it was believed, would take into account any short-term climatic trends and would, at the same time, insure that there was a true basis for statistical comparison of the data for all stations.

Maximum, minimum, and average temperatures and the total monthly precipitation data for the 83 first-order stations were obtained from published "normals" calculated for the period 1921 through 1950.^{2/} Where possible, all basic data for cooperating stations and frost and precipitation frequency data for all first-order stations were obtained from U.S. Weather Bureau monthly and annual summaries published during the period 1921-1950. These data, with the exception of frost occurrence, were recorded for each month for which the data were available within the period. In instances where at least a 25-year record within the period 1921-1950 could not be obtained for any climatic factor from the published records, the station observer's original records^{3/} were consulted, and a record of 25 years or more was thus completed. From these basic data, average monthly values were calculated for each factor; annual values were then determined from the twelve monthly averages.

The author wishes to acknowledge the many courtesies extended by the staff of the National Weather Records Center, Asheville, N. C., in making available climatological records. Grateful acknowledgement is also made to Dr. C. F. Korstian, of Duke University School of Forestry, and to Dr. Carl Ostrom, of the Forest Experiment Station staff, for their interest and cooperation.

^{1/} Doctor of Forestry dissertation, Duke University School of Forestry.

^{2/} U.S. Department of Commerce, Weather Bureau. Monthly normal temperatures, precipitation, and degree days (1921-50). Government Printing Office, Washington, D. C. 1953.

^{3/} On file at the National Weather Records Center, Asheville, North Carolina

TEMPERATURE DATA FOR SELECTED STATIONS IN AND NEAR THE
SOUTHERN PINE REGION

TEMPERATURE DATA FOR SELECTED STATIONS IN AND NEAR THE SOUTHERN PINE REGION

Table 1. (Continued)

STATION	AVERAGE MONTHLY TEMPERATURE												AVERAGE MINIMUM MONTHLY TEMPERATURE												MONTHLY TEMPERATURE															
	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	
GEORGIA (Cont'd.)																																								
Warrenton	47.8	49.6	55.7	63.7	71.4	78.7	80.4	79.5	75.5	64.8	54.4	48.1	64.1	58.0	60.4	67.0	75.8	83.3	89.7	90.7	89.8	85.5	76.2	65.5	57.9	75.0	37.5	38.5	43.7	51.5	59.6	67.6	70.1	69.6	65.1	53.5	43.2	37.4	53.1	
Waycross	54.9	56.5	61.4	67.8	74.4	80.2	81.7	81.6	78.5	69.5	60.0	54.7	68.4	67.4	69.1	74.0	80.7	87.1	91.7	92.5	92.7	89.5	82.0	73.5	66.9	80.6	42.4	44.1	48.7	54.9	61.6	68.6	70.9	70.6	67.6	57.1	46.6	41.9	56.3	
KENTUCKY																																								
Berea College	37.3	39.2	46.9	56.7	65.0	73.3	76.4	75.1	70.0	58.9	46.9	39.0	57.1	46.7	49.0	58.8	68.5	76.8	85.0	87.8	86.5	81.9	70.9	57.2	47.9	68.1	27.9	29.1	35.9	44.9	53.3	62.0	65.0	64.0	58.5	46.8	36.6	29.9	46.2	
Greensburg	37.1	39.5	47.2	56.5	64.6	73.3	76.6	75.5	69.8	57.8	46.5	38.7	57.0	47.8	50.4	59.7	70.1	77.9	86.6	89.6	88.2	83.1	72.1	58.8	48.9	69.4	28.3	34.9	43.0	51.3	61.0	64.3	62.9	63.9	56.7	43.6	34.4	28.4	44.6	
Greenville	36.9	39.4	47.2	56.7	64.8	73.3	76.6	75.5	69.8	57.8	46.5	38.7	57.0	47.8	50.4	59.7	70.1	77.9	86.6	89.6	88.2	83.1	72.1	58.8	48.9	69.4	28.3	34.9	43.0	51.3	61.0	64.3	62.9	63.9	56.7	43.6	34.4	28.4	44.6	
Leitchfield	36.7	38.9	47.1	56.8	65.3	74.0	77.5	76.4	70.6	59.4	47.1	38.5	57.6	47.2	50.8	60.6	71.0	78.8	87.5	90.5	89.2	84.1	73.7	59.9	49.1	69.6	28.6	35.7	44.0	52.4	61.2	64.5	63.0	65.7	57.5	45.4	35.6	28.6	45.5	
Lexington	36.7	38.9	47.1	56.8	65.3	74.0	77.5	76.4	70.6	59.4	47.1	38.5	57.6	47.2	50.8	60.6	71.0	78.8	87.5	90.5	89.2	84.1	73.7	59.9	49.1	69.6	28.6	35.7	44.0	52.4	61.2	64.5	63.0	65.7	57.5	45.4	35.6	28.6	45.5	
Louisville	34.9	37.2	45.6	56.0	65.3	74.2	77.9	76.1	70.2	58.6	45.7	36.9	56.5	43.6	46.3	56.0	67.0	76.6	85.2	89.1	87.5	81.9	70.5	55.3	45.0	67.0	26.6	28.0	35.2	45.0	54.0	63.2	66.6	64.7	58.4	46.7	36.1	28.2	46.0	
Mayfield	37.7	40.8	48.9	58.8	66.8	75.6	78.9	77.9	72.3	61.7	48.5	40.3	59.0	47.9	51.1	60.2	70.4	78.9	87.2	90.8	89.7	85.1	74.8	59.7	50.0	70.0	28.0	30.2	37.6	47.1	55.3	64.2	67.1	65.8	58.8	48.3	37.3	30.2	47.6	
Maysville	35.2	37.0	45.0	54.9	64.0	72.9	76.3	74.8	69.1	57.7	45.7	36.7	55.8	44.6	46.9	56.5	67.5	76.9	85.1	88.6	86.6	81.3	70.5	56.3	45.8	67.2	26.7	29.0	33.5	42.9	51.4	60.6	64.4	62.7	57.3	44.8	35.2	27.3	44.4	
Princeton	37.1	39.9	48.1	58.2	65.8	75.0	78.3	77.1	71.2	59.9	47.4	38.9	58.1	46.8	50.1	59.6	70.4	78.0	86.4	89.6	88.4	83.0	73.0	58.7	48.5	69.4	27.3	29.3	36.6	45.9	54.3	63.3	67.2	66.0	59.7	46.8	36.2	29.0	46.8	
Williamsburg	39.6	41.2	48.8	58.0	65.6	74.2	77.1	76.0	70.6	59.1	47.7	40.3	58.2	51.0	52.5	61.8	72.1	79.4	87.2	90.0	88.6	84.0	73.7	60.5	51.2	71.0	28.2	29.4	35.7	43.8	51.8	61.2	64.8	63.3	57.5	44.5	34.7	29.0	45.3	
ILLINOIS																																								
Cairo	37.4	40.6	49.0	60.0	68.8	77.8	81.2	79.5	73.0	62.0	48.6	39.7	59.8	44.9	48.4	57.9	69.0	78.2	87.2	90.7	88.7	82.4	71.7	56.8	47.0	68.6	29.8	32.7	40.1	50.9	59.4	68.4	71.7	70.2	63.6	52.2	40.3	32.3	51.0	
INDIANA																																								
Evansville	34.7	37.5	46.6	57.1	65.5	74.6	78.2	76.3	70.5	59.3	46.0	36.9	56.9	43.4	46.5	56.8	67.8	76.5	85.4	89.1	87.0	81.8	71.0	55.6	45.6	67.2	26.0	28.5	36.4	46.3	54.5	63.8	67.3	65.5	59.1	47.6	36.3	28.2	46.6	
Paoli	33.7	36.3	44.7	54.8	63.6	72.6	76.5	74.9	68.7	57.4	45.1	35.8	55.3	43.0	45.9	55.7	66.4	75.6	84.1	88.6	87.0	81.1	70.1	55.4	44.9	66.5	24.4	26.5	33.7	43.2	51.6	61.1	64.5	62.9	56.8	44.7	35.0	26.4	44.2	
LOUISIANA																																								
Baton Rouge	52.4	55.6	60.3	66.8	73.6	79.6	81.1	80.7	77.5	69.6	59.1	53.6	67.5	61.3	64.5	69.8	76.4	82.8	88.8	90.0	89.7	87.1	80.4	69.3	62.6	76.9	43.4	46.6	50.8	57.2	64.4	70.4	72.2	71.7	67.9	58.8	48.9	44.6	58.1	
Cheneyville	52.3	55.4	60.3	67.7	73.8	80.5	82.2	81.2	77.9	68.7	58.6	53.6	67.8	63.7	66.6	71.9	79.2	85.1	91.6	93.3	93.8	90.2	82.4	71.8	65.0	79.5	41.6	44.3	48.7	56.2	62.5	68.3	71.2	70.7	66.4	55.1	45.4	42.0	56.1	
Hammond	53.6	56.2	60.3	67.1	73.3	79.6	81.3	81.4	77.7	69.1	59.3	54.3	67.8	63.7	66.6	72.0	78.8	84.0	90.9	91.9	92.4	89.1	82.5	71.9	65.0	79.5	42.5	45.4	48.8	55.4	61.6	68.5	70.7	70.3	66.4	55.8	46.6	42.9	56.2	
Lake Charles	52.6	55.9	60.6	68.0	74.5	80.7	82.2	81.6	78.6	70.3	59.3	54.0	68.3	64.2	67.1	72.7	79.6	84.0	90.9	91.9	92.4	89.1	82.5	71.9	65.0	79.5	42.5	45.4	48.8	55.4	61.6	68.5	70.7	70.3	66.4	55.8	46.6	42.9	56.2	
New Orleans	54.9	57.4	61.7	68.3	74.6	80.7	82.2	81.6	78.6	70.3	59.3	54.0	68.3	64.2	67.1	72.7	79.6	84.0	90.9	91.9	92.4	89.1	82.5	71.9	65.0	79.5	42.5	45.4	48.8	55.4	61.6	68.5	70.7	70.3	66.4	55.8	46.6	42.9	56.2	
Robeline	49.3	52.8	58.2	66.4	72.7	80.0	82.2	81.6	78.6	70.3	59.3	54.0	68.3	64.2	67.1	72.7	79.6	84.0	90.9	91.9	92.4	89.1	82.5	71.9	65.0	79.5	42.5	45.4	48.8	55.4	61.6	68.5	70.7	70.3	66.4	55.8	46.6	42.9	56.2	
Ruston P.T.I.	49.3	52.8	58.2	66.4	72.7	80.0	82.2	81.6	78.6	70.3	59.3	54.0	68.3	64.2	67.1	72.7	79.6	84.0	90.9	91.9	92.4	89.1	82.5	71.9	65.0	79.5	42.5	45.4	48.8	55.4	61.6	68.5	70.7	70.3	66.4	55.8	46.6	42.9	56.2	
Shreveport	47.8	51.7	57.9	66.8	73.8	81.1	83.6	83.8	78.3	67.8	55.4	49.2	66.4	61.2	64.5	69.8	76.4	82.8	88.8	90.0	89.7	87.1	80.4	69.3	62.6	76.9	43.4	46.6	50.8	57.2	64.4	70.4	72.2	71.7	67.9	58.8	48.9	44.6	58.1	
MARYLAND																																								

TEMPERATURE DATA FOR SELECTED STATIONS IN AND NEAR THE
SOUTHERN PINE REGION

Table 1. (Continued)

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**TEMPERATURE DATA FOR SELECTED STATIONS IN AND NEAR THE
SOUTHERN PINE REGION**

Table 1. (Continued)

STATION	AVERAGE MONTHLY TEMPERATURE												AVERAGE MINIMUM MONTHLY TEMPERATURE												TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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TEXAS (Cont'd.)	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F</

PRECIPITATION DATA FOR SELECTED STATIONS IN AND NEAR THE SOUTHERN PINE REGION

Table 2.

STATION	AVERAGE TOTAL MONTHLY PRECIPITATION												AVERAGE NUMBER DAYS PRECIPITATION \geq 0.01"										AVERAGE NUMBER DAYS PRECIPITATION \geq 0.50"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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**PRECIPITATION DATA FOR SELECTED STATIONS IN AND NEAR THE
SOUTHERN PINE REGION**

Table 2. (Continued)

STATION	AVERAGE TOTAL MONTHLY PRECIPITATION												AVERAGE NUMBER DAYS PRECIPITATION \geq 0.01"										AVERAGE NUMBER DAYS PRECIPITATION \geq 0.50"																		
	INCHES												DAYS										DAYS																		
	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual		
GEORGIA (Cont'd.)																																									
Macon	4.01	4.27	5.11	3.81	3.22	3.75	5.34	4.64	2.92	2.27	2.73	4.24	46.31	10.0	10.0	10.0	8.0	9.0	11.0	13.0	11.0	8.0	6.0	7.0	10.0	113.0	2.6	2.9	3.3	2.6	2.2	2.3	3.4	2.9	1.8	1.6	1.8	2.9	30.3		
Rome	5.55	5.83	4.62	4.07	4.07	4.07	4.71	3.89	2.98	2.86	3.76	5.22	52.96	16.0	10.0	13.0	11.0	11.0	11.0	11.0	9.0	7.0	6.0	12.0	130.0	4.1	4.0	4.1	3.4	2.9	2.7	3.0	2.6	1.8	1.8	2.5	3.5	36.4			
Savannah	2.45	2.82	3.29	4.27	2.91	5.17	7.09	6.25	6.50	2.45	1.51	2.64	45.75	9.0	9.0	9.0	7.0	9.0	12.0	14.0	13.0	10.0	7.0	6.0	9.0	104.0	1.8	2.1	2.6	1.6	1.7	1.6	1.7	3.5	4.4	3.7	5.0	1.7	2.0	1.7	29.4
Warrenton	4.29	4.37	4.78	4.24	3.19	3.67	4.67	4.45	3.59	2.79	2.80	3.95	46.79	9.2	9.2	9.2	7.9	8.2	9.6	11.4	9.9	7.9	5.5	6.5	9.3	104.1	3.2	3.2	3.1	3.0	2.1	2.6	3.2	3.2	3.2	3.2	1.7	2.0	2.9	32.5	
Waycross	2.97	3.43	3.93	3.20	3.45	5.82	7.79	5.63	5.13	2.69	1.91	3.16	49.11	8.0	8.4	7.7	7.3	8.1	11.5	15.1	13.7	10.4	5.5	4.9	7.9	108.5	2.1	2.5	2.9	2.3	2.4	3.9	5.2	3.6	3.1	1.8	1.3	2.0	33.1		
ILLINOIS																																									
Cairo	4.48	3.33	4.72	3.96	4.09	3.84	2.60	3.21	3.32	2.97	3.80	3.33	43.65	11.0	10.0	11.0	11.0	11.0	10.0	9.0	8.0	8.0	7.0	9.0	10.0	115.0	2.8	2.2	3.2	2.7	2.7	2.4	1.7	2.0	2.1	2.1	2.7	2.2	28.8		
INDIANA																																									
Evansville	3.93	2.95	4.29	3.79	3.90	3.87	3.00	3.04	3.40	2.82	3.20	3.18	41.37	11.0	10.0	12.0	11.0	11.0	10.0	9.0	6.0	8.0	7.0	9.0	10.0	114.0	2.4	2.1	2.7	3.3	2.6	2.7	2.1	1.8	2.3	1.9	2.2	2.2	28.3		
Paoli	4.06	2.76	4.37	4.13	4.28	4.19	3.36	3.44	3.50	2.93	3.37	3.27	43.66	10.6	9.2	11.4	12.6	12.0	11.2	8.3	9.1	8.8	7.5	10.0	9.3	120.0	2.6	1.4	3.0	2.8	2.9	2.8	2.1	2.4	2.3	2.0	2.3	2.2	28.8		
KENTUCKY																																									
Berea College	4.85	3.49	4.87	3.88	3.88	4.77	5.09	3.84	2.97	2.47	3.50	3.76	47.37	12.2	10.5	12.4	11.4	11.1	10.6	10.5	8.9	8.0	7.3	9.5	10.4	122.8	3.4	2.4	2.8	2.8	3.0	3.1	3.5	2.9	2.1	1.8	2.6	2.6	33.0		
Greensburg	5.37	3.75	5.62	3.79	4.43	4.80	4.03	4.04	3.15	2.95	3.73	4.09	49.75	12.2	10.9	12.8	11.1	11.3	10.4	9.9	9.4	7.6	7.9	9.7	10.9	124.1	3.8	2.8	3.1	2.9	3.1	3.4	3.0	3.0	2.1	2.1	2.8	2.8	35.9		
Greenville	4.79	3.72	5.07	4.45	3.86	4.04	3.74	3.59	3.10	3.15	3.74	3.85	47.66	10.4	9.5	10.4	10.4	10.1	9.2	7.1	7.1	6.8	6.3	8.6	8.8	104.7	3.4	2.7	3.7	3.0	2.7	2.8	2.5	2.2	2.1	2.1	2.8	2.6	33.3		
Lexington	5.46	3.81	5.04	4.35	4.14	4.64	3.89	3.76	3.10	3.33	3.92	4.16	49.60	11.7	9.7	11.4	10.3	10.5	9.6	8.3	7.9	7.4	7.3	9.8	10.1	114.0	4.0	2.5	3.4	3.0	3.3	3.1	3.2	2.9	2.1	2.3	3.0	2.6	35.0		
Lexington	4.50	3.50	4.46	3.76	3.56	4.21	4.25	3.77	2.83	2.44	3.15	3.68	43.71	13.0	12.0	13.0	12.0	12.0	12.0	10.0	8.0	8.0	8.0	10.0	12.0	133.0	3.4	2.1	3.3	2.7	2.5	3.1	3.4	2.2	2.0	1.6	2.5	2.5	31.3		
Louisville	4.10	2.99	4.67	4.01	3.93	4.06	3.08	3.06	2.70	2.45	3.12	3.30	41.47	12.0	10.0	12.0	12.0	11.0	11.0	10.0	8.0	8.0	8.0	10.0	11.0	124.0	3.7	2.4	3.0	2.7	3.1	3.2	3.2	2.2	2.0	1.5	2.2	2.4	28.8		
Louisville	4.88	3.85	5.23	4.28	4.36	4.18	4.21	3.25	3.30	2.45	3.04	4.07	43.48	8.3	7.6	9.2	8.9	8.6	8.0	6.3	5.9	6.0	5.4	7.5	8.9	124.0	3.2	2.7	4.1	3.2	3.5	3.3	2.8	2.2	2.0	2.3	2.0	2.8	35.2		
Mayfield	4.02	3.21	4.37	3.84	3.52	4.11	4.36	4.21	3.31	2.34	3.10	3.79	43.73	12.5	10.9	12.6	11.9	11.9	11.1	9.8	9.6	8.4	7.6	10.4	10.9	127.6	2.8	1.9	3.3	2.8	2.4	2.8	2.2	2.0	2.2	1.5	2.2	2.4	29.7		
Maysville	4.02	3.85	5.14	4.16	4.13	4.39	3.42	3.61	3.48	3.19	3.71	3.81	47.92	10.9	9.4	10.2	9.8	9.9	8.9	7.2	8.0	7.5	6.6	8.8	10.0	107.2	3.4	2.7	3.9	3.3	2.8	2.9	2.4	2.4	2.5	1.5	2.2	2.4	29.7		
Princeton	5.03	3.85	5.14	4.16	4.13	4.39	3.42	3.61	3.48	3.19	3.71	3.81	47.92	10.9	9.4	10.2	9.8	9.9	8.9	7.2	8.0	7.5	6.6	8.8	10.0	107.2	3.4	2.7	3.9	3.3	2.8	2.9	2.4	2.4	2.5	1.5	2.2	2.4	29.7		
Williamsburg	4.32	4.04	4.76	3.88	4.26	4.01	4.91	4.09	3.03	2.27	3.57	3.84	46.98	10.8	10.1	10.4	9.6	10.4	9.7	9.7	8.6	6.8	6.1	8.7	10.2	111.1	2.8	2.3	3.3	2.3	2.6	2.4	3.3	2.6	2.0	1.3	2.4	2.6	29.9		
LOUISIANA																																									
Baton Rouge	5.49	4.36	5.82	4.50	4.92	5.02	5.87	5.87	4.32	2.98	4.73	5.25	59.13	14.0	10.0	10.0	8.0	7.0	7.0	15.0	10.0	8.0	6.0	8.0	10.0	113.0	3.7	3.0	3.8	3.1	3.3	3.3	4.3	3.4	2.8	2.0	2.6	3.8	39.1		
Cheneyville	6.28	4.43	6.40	5.59	5.75	4.76	5.31	4.72	3.64	3.47	5.16	6.33	61.54	7.6	6.5	6.9	6.9	7.1	6.7	9.6	7.5	6.3	4.4	5.6	7.2	82.3	4.4	3.2	4.2	3.4	3.5	3.1	3.6	3.1	2.2	2.1	2.9	4.1	39.8		
Hammond	5.48	4.77	5.99	4.57	4.66	4.79	6.56	5.44	4.28	3.19	4.34	5.12	59.49	10.3	8.6	9.0	9.0	7.5	7.9	10.3	11.0	9.0	5.0	8.0	11.0	117.0	3.2	2.9	3.2	2.2	3.0	3.0	3.4	2.9	2.7	1.9	2.8	3.8	39.5		
Lake Charles	4.82	4.53	4.76	4.27	4.73	5.05	6.33	4.66	4.53	4.34	4.34	5.76	57.82	11.0	11.0	9.0	9.0	8.0	10.3	15.0	14.0	11.0	6.0	7.0	10.0	115.0	3.1	2.7	3.8	3.1	3.5	3.7	5.1	4.2	3.3	2.2	2.6	3.1	40.6		
New Orleans	4.68	3.97	5.90	5.40	5.54	5.63	5.89	5.64	3.06	3.18	4.69	5.67	59.65	10.0	9.0	9.0	7.0	7.0	8.0	13.0	15.0	14.0	11.0	6.0	7.0	10.0	115.0	3.1	2.7	3.8	3.1	3.5	3.7	5.1	4.2	3.3	2.2	2.6	3.1	40.6	
Robeline	5.73	4.37	5.35	4.81	5.28	3.47	4.05	2.97	2.61	3.16	4.69	5.67	59.65	10.0	9.0	9.0	7.0	7.0	8.0	13.0	15.0	14.0	11.0	6.0	7.0	10.0	115.0	3.1	2.7	3.8	3.1	3.5	3.7	5.1	4.2	3.3	2.2	2.6	3.1	40.6	
Ruston P.T.I.	5.89	4.60	5.33	4.75	5.03	4.42	4.29	3.21	2.26	3.37	4.36	5.25	51.76	8.6	8.0	8.0	6.9	7.6	5.8	7.1	5.5	4.8	4.0	6.0	7.7	80.7	3.0	3.5	3.8	3.1	3.5	3.2	2.5	2.2	1.5	1.8	2.7	3.6	34.1		
Shreveport	4.72	3.78	4.70	4.59	4.55	2.64	3.70	2.37	2.22	3.10	3.90	4.83	45.10	11.0	9.0	9.0	9.0	9.0	8.0	8.0	6.0	6.0	6.0	8.0	9.0	98.0	3.4	2.6	3.2	2.8	3.1	1.9	1.8	1.4	1.4	1.8	2.7	3.6	34.1		
MARYLAND																																									
Baltimore	3.66	2.99	3.63	3.72	4.01	3.52	3.94	4.38	3.46	3.37	2.96	2.95	42.59	11.0	10.0	12.0	11.0	12.0																							

PRECIPITATION DATA FOR SELECTED STATIONS IN AND NEAR THE
SOUTHERN PINE REGION

Table 2. (Continued)

STATION	AVERAGE TOTAL MONTHLY PRECIPITATION												AVERAGE NUMBER DAYS PRECIPITATION \geq 0.01"												AVERAGE NUMBER DAYS PRECIPITATION \geq 0.50"																							
	INCHES												DAYS												DAYS												DAYS											
	January	February	March	April	May	June	July	August	September	October	November	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual										
MISSOURI (Cont'd)																																																
Rolla Sch. Min.	2.38	1.90	3.48	4.04	5.10	5.43	3.02	3.92	4.14	3.71	3.12	2.36	42.60	7.2	6.7	8.5	10.1	10.8	10.1	6.8	7.8	7.6	7.6	7.5	7.1	97.6	1.8	1.1	2.5	2.7	3.7	3.6	2.3	2.7	2.9	2.6	2.1	1.6	29.6									
Salem	2.53	2.31	3.92	4.59	5.18	5.13	2.73	3.79	4.03	3.60	3.15	2.81	43.71	7.3	6.5	8.8	10.0	10.9	9.7	6.9	7.8	7.4	6.8	6.9	6.9	93.9	1.8	1.4	2.7	3.0	3.9	3.6	1.9	2.5	2.7	2.4	2.2	1.8	29.9									
Seligman	2.80	2.53	3.24	4.77	5.79	5.53	3.39	3.46	4.43	4.03	3.43	2.37	45.79	6.2	5.7	7.2	8.9	9.7	9.1	6.0	6.9	6.5	6.0	5.8	5.5	83.0	2.0	1.9	2.4	3.4	4.2	3.8	2.2	2.7	2.7	2.4	1.6	32.0										
Springfield	2.31	1.76	3.46	4.34	5.36	5.36	3.17	4.01	3.86	3.40	2.73	2.17	41.51	9.0	10.0	11.0	12.0	11.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	112.0	1.6	0.9	2.2	2.9	3.4	3.9	2.0	2.8	2.6	2.3	1.8	1.4	27.8									
St. Louis	1.92	1.66	3.42	3.93	4.02	4.37	2.58	3.55	3.54	3.08	2.57	2.09	36.73	9.0	9.0	11.0	11.0	12.0	11.0	8.0	8.0	8.0	8.0	8.0	9.0	112.0	1.3	1.2	2.4	2.7	2.6	1.4	2.3	2.0	2.1	1.7	1.3	23.6										
NEW JERSEY																																																
Atlantic City	3.78	3.24	3.53	3.40	2.98	2.99	3.78	4.72	3.51	3.21	3.32	3.31	41.77	12.0	10.0	12.0	11.0	10.0	10.0	10.0	10.0	8.0	9.0	9.0	10.0	122.0	2.7	2.4	2.7	2.3	2.1	2.0	2.2	2.8	2.0	2.0	2.2	2.1	27.5									
NORTH CAROLINA																																																
Albemarle	3.81	3.71	4.13	3.65	3.38	4.11	5.89	4.30	4.19	2.85	2.88	3.66	46.56	9.6	8.9	10.5	9.4	10.1	10.2	12.3	10.5	8.0	6.0	7.5	9.0	112.0	3.0	3.1	3.0	2.7	2.2	3.1	3.7	3.0	2.9	1.6	2.0	2.7	33.0									
Asheville	2.98	2.85	3.57	2.86	3.03	3.52	4.50	3.58	2.72	2.54	2.11	2.96	37.22	11.0	11.0	12.0	10.0	12.0	13.0	15.0	13.0	9.0	7.0	8.0	10.0	131.0	1.8	2.0	2.4	2.2	2.0	2.0	2.8	2.0	1.7	1.8	1.5	1.6	23.8									
Charlotte	3.68	3.55	4.09	3.31	2.98	3.51	4.67	3.36	3.65	2.99	2.65	3.79	43.09	11.0	9.0	10.0	12.0	10.0	11.0	13.0	12.0	8.0	7.0	7.0	10.0	121.0	2.7	2.9	2.8	2.5	2.3	3.0	2.8	2.3	2.0	1.9	2.8	30.8										
Durham	3.23	2.96	3.31	3.06	3.30	3.29	4.09	3.53	3.20	2.60	2.87	39.85	9.6	9.0	9.6	8.4	9.4	8.9	11.0	9.3	9.3	7.6	5.8	6.9	9.1	104.9	2.2	2.2	2.1	2.3	2.0	2.6	3.1	2.5	2.1	1.7	1.6	2.1	26.7									
Fayetteville	3.22	3.52	3.78	4.02	3.74	4.17	2.35	3.69	3.14	46.96	7.6	7.9	8.7	7.6	7.9	8.6	8.8	10.8	9.3	7.4	7.4	4.5	5.7	7.3	93.9	2.5	2.8	2.7	2.7	2.5	3.4	4.3	2.6	1.6	1.9	2.2	32.4											
Goldsville	3.57	3.71	3.80	3.86	4.12	4.95	7.27	5.81	4.17	3.26	3.01	3.10	50.10	9.6	10.0	9.9	9.6	9.6	10.2	12.5	11.4	8.8	6.7	8.2	10.2	117.6	2.5	2.9	2.7	2.6	3.4	4.4	3.4	2.7	1.5	2.2	33.3											
Hickory	3.27	3.85	4.48	3.40	3.48	3.58	5.24	3.58	3.52	3.67	3.03	4.19	48.44	9.7	8.5	10.0	8.6	9.6	10.2	12.0	10.5	8.2	6.4	7.2	9.1	110.0	2.9	2.9	3.2	2.5	2.4	3.4	3.0	2.3	2.3	2.6	3.1	32.6										
Highlands	7.26	6.14	7.13	5.70	5.71	6.06	9.02	7.57	1.86	5.67	5.54	7.78	11.42	12.6	10.9	12.7	10.2	12.2	13.3	16.9	15.0	10.8	8.2	5.5	11.6	144.3	4.8	5.0	3.9	3.9	3.9	6.0	4.3	3.5	3.2	3.6	5.1	51.4										
Lumberton	3.19	3.63	3.87	3.74	3.91	4.78	6.53	5.05	4.32	2.57	2.65	3.46	47.70	8.3	8.4	9.1	8.2	8.9	10.5	10.7	10.7	8.0	5.5	6.1	8.4	104.7	2.4	2.3	2.9	2.7	2.6	3.7	3.2	4.6	3.9	2.6	1.7	2.1	34.8									
New Holland	3.72	3.95	3.46	3.15	3.56	5.23	7.22	6.00	5.27	2.99	3.39	4.58	52.44	9.2	9.5	9.4	7.3	8.0	9.2	11.8	10.5	8.9	6.1	7.0	9.0	105.9	2.9	2.6	3.0	2.4	3.1	4.0	4.8	3.0	1.6	2.2	3.3	34.9										
Pinehurst	3.60	3.72	3.92	3.86	3.47	4.15	6.61	5.67	4.18	3.95	2.82	3.49	49.44	8.6	8.5	8.6	8.0	7.9	9.1	10.3	9.4	6.9	5.6	6.4	8.1	97.7	2.6	2.9	2.6	3.0	2.4	3.1	4.3	3.6	2.5	1.8	2.0	29.8										
Raleigh	3.53	3.55	3.66	3.33	3.50	4.22	5.66	4.96	4.49	2.82	2.85	3.41	46.18	10.0	10.0	11.0	10.0	11.0	11.0	12.0	12.0	8.0	7.0	10.0	120.0	2.1	2.4	2.4	2.2	2.4	2.8	3.7	3.8	1.8	1.9	2.0	34.3											
Weldon	3.40	3.21	3.46	3.35	3.61	3.97	5.00	4.85	3.98	2.79	2.59	2.97	43.18	8.7	9.3	9.4	8.9	8.5	8.6	10.8	8.6	7.2	5.8	7.0	8.4	101.2	2.3	3.5	3.2	2.1	2.2	2.7	3.9	3.2	2.7	1.7	1.8	2.5	32.3									
Wilmington	3.12	3.30	3.45	2.71	3.43	4.49	8.16	6.40	5.95	2.78	2.59	3.46	49.84	9.0	10.0	10.0	9.0	9.0	12.0	14.0	14.0	10.0	7.0	10.0	121.0	2.2	2.3	2.2	2.1	2.5	2.9	4.9	4.0	3.4	1.7	1.6	2.5	32.3										
Winston-Salem	3.69	3.39	3.83	3.40	3.93	3.60	4.57	4.10	3.49	3.13	2.79	3.23	43.15	9.0	9.0	10.0	8.0	9.0	9.0	11.0	11.0	7.0	6.0	6.0	9.0	104.0	2.7	2.3	2.8	2.3	2.7	2.4	3.2	2.5	2.2	1.8	1.8	2.3	29.0									
OKLAHOMA																																																
Ada	2.29	2.27	2.64	4.05	5.93	4.91	3.07	2.83	4.06	3.39	2.36	2.31	40.11	5.6	5.1	5.6	7.3	9.4	8.2	5.6	5.1	5.6	5.8	5.1	5.1	73.5	1.4	1.4	2.0	2.9	3.9	3.4	2.1	1.7	2.3	2.2	1.7	1.4	26.4									
McAlester	2.83	3.02	3.22	4.60	6.17	4.80	3.39	3.00	3.59	3.39	2.80	2.89	43.68	7.3	7.0	7.2	8.2	9.5	8.3	5.8	5.2	5.9	5.8	5.6	6.3	82.6	1.8	1.8	2.3	3.0	3.5	3.3	2.1	1.8	2.2	2.1	1.7	27.7										
Marlow	1.50	1.67	2.06	38.2	5.07	4.32	2.39	2.07	3.45	3.31	1.79	1.53	32.98	3.4	3.7	4.1	6.3	7.6	6.3	4.2	4.2	4.9	5.0	3.4	3.5	56.6	1.0	1.1	1.5	2.6	3.3	3.0	1.7	1.3	2.1	2.1	1.5	1.3	22.5									
Muskogee	2.80	2.50	3.36	4.78	5.35	5.66	2.93	2.80	4.01	3.95	3.10	2.51	43.76	8.2	7.5	8.7	9.3	10.6	9.9	6.8	7.4	6.8	7.6	7.0	7.7	97.5	1.8	1.6	2.3	3.7	3.5	3.6	1.8	1.8	2.5	2.4	2.1	1.4	28.5									
Newkirk	1.19	1.01	1.91	3.28	3.48	3.75	3.14	3.26	3.88	2.38	1.96	2.29	32.85	5.2	4.3	5.9	7.8	9.2	6.4	7.0	6.4	7.0	5.0	4.1	77.4	0.7	0.5	1.2	2.6	3.3	3.2	2.1	1.6	2.4	1.6	1.3	1.0	23.6										
Okemah	2.05	1.96	2.91	3.68	5.47	4.97	2.86	2.51	4.38	3.97	2.43	1.97	40.00	5.6	5.1	5.4	7.4	8.4	7.8	5.3	5.7	5.3	5.3	5.2	4.7	72.2	1.3	1.3	1.9	3.1	3.3	3.2	2.1	1.9	2.6	2.3	1.7	1.2	22.1									
Oklahoma City	1.58	1.28	2.51	3.60	4.62	4.42	2.42	2.63	4.46	3.26	2.00	1.94	32.39	6.0	6.0	7.0	8.0	10.0	9.0	6.0	6.0	6.0	5.0	6.0	6.0	83.0	1.0	0.9	1.4	2.6	2.9	2.6	1.6	1.7	2.3	1.8	1.3	1.0	21.1									
Tulsa	1.98	1.57	2.61	4.25	4.77	5.15	2.69	3.23	4.25	3.09	2.40	1.69	37.68	7.0	6.0	8.0	8.0	10.0	10.0	6.0	8.0	7.0	6.0	6.0	90.0	1.2	1.2	1.1	3.1	3.2	3.6	1.8	1.7	2.3	1.8	1.1	1.0	26.6										
Pawhuska	1.55	1.28	2.41	4.02	4.99	4.39	3.46	3.26	4.44	2.83	2.20	1.41	36.87	5.5	5.2	6.3	8.2	9.6	9.3	5.8	5.9	6.4	5.1	4.4	77.8	0.9	1.0	1.2	2.5	3.0	3.5	1.8	1.8	2.2	1.9	1.2	1.0	20.4										
Wichita Mt.	1.39	1.36	1.77	3.74	4.48	3.82	2.39	2.87	3.12	2.66	1.55	1.37	30.15	3.8	4.2	4.0	6.0	6.1	4.4	5.3	5.6	4.9	3.7	3.8	5.8	59.8	0.9	1.0	1.7	2.9	3.2	3.5	1.8	1.8	2.2	1.9	1.2	1.0	20.4									
PENNSYLVANIA																																																
Harrisburg	2.62	2.24	2.87	3.70	3.64	3.64	3.34	2.63	3.40	2.73	2.56	36.01	11.0	10.0	12.0	11.0	12.0	12.0	11.0	10.0	9.0	8.0	9.0	10.0	125.0	1.9	1.5	1.9	2.0	2.6	2.7	2.6	2.5	1.9	2.1	1.5	1.9	25.1										
Reading	3.15	2.68	3.31	3.24	3.69	3.76	4.43	3.88	3.28	2.75	3.05	2.80	40.02	12.0	11.0	12.0	11.0	12.0	11.0	10.0	10.0	8.0	9.0	9.0	11.0	127.0	2.2	2.0	2.4	2.4	2.4	2.4	3.1	2.7	2.2	1.8	2.0	1.7</										

PRECIPITATION DATA FOR SELECTED STATIONS IN AND NEAR THE SOUTHERN PINE REGION

Table 2. (Continued)

STATION	AVERAGE TOTAL MONTHLY PRECIPITATION												AVERAGE NUMBER DAYS PRECIPITATION $\geq 0.01''$												AVERAGE NUMBER DAYS PRECIPITATION $\geq 0.50''$															
	INCHES						DAYS						DAYS						DAYS						DAYS						DAYS									
	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	January	February	March	April	May	June	July	August	September	October	November	December	Annual	
TEXAS (Cont'd.)																																								
Beville	2.33	1.62	2.54	2.48	3.40	3.40	3.37	3.12	3.61	2.27	2.03	2.92	32.09	9.9	8.1	7.3	6.1	7.2	7.2	6.4	5.6	9.4	6.6	6.6	9.8	90.2	1.0	0.8	1.4	1.4	2.3	1.9	2.1	1.1	2.2	1.3	1.0	1.5	18.0	
Brownwood	1.86	1.83	1.79	3.29	4.18	2.46	1.51	1.85	2.87	2.41	1.56	1.69	27.30	6.2	5.7	5.3	5.9	7.0	5.6	3.9	4.0	4.8	4.9	4.6	5.4	63.3	1.5	1.0	1.1	1.2	2.3	1.9	1.1	1.1	1.2	1.6	1.7	1.1	1.2	18.4
Corpus Christi	1.39	1.44	1.63	1.74	3.41	2.88	2.26	2.08	2.47	2.46	1.74	2.27	28.00	8.0	7.0	7.0	6.0	7.0	6.0	5.0	5.0	9.0	6.0	6.0	8.0	81.0	0.7	0.7	1.0	1.1	1.3	1.9	1.4	1.1	1.2	2.6	1.6	0.9	1.3	15.9
Dallas	2.47	2.62	2.81	3.87	4.97	3.45	1.97	1.83	2.71	2.67	2.43	2.62	34.42	8.0	8.0	7.0	8.0	9.0	7.0	5.0	6.0	5.0	6.0	7.0	83.0	1.4	1.7	1.8	2.3	3.1	2.2	1.4	1.2	1.8	1.5	1.8	1.5	1.8	21.9	
Eastland	1.65	1.55	1.98	3.09	4.19	2.79	3.08	1.67	2.68	2.83	1.41	1.68	28.60	5.3	4.1	5.2	5.8	7.5	5.0	4.4	4.1	4.2	5.0	4.0	4.6	59.2	1.2	1.0	1.3	2.0	3.0	1.9	1.7	1.3	1.8	1.6	1.5	1.8	19.3	
Fort Worth	2.30	2.49	2.37	3.81	4.84	3.25	1.75	2.00	2.63	2.73	1.88	2.22	32.29	7.0	7.0	7.0	8.0	9.0	6.0	5.0	5.0	5.0	6.0	6.0	7.0	77.0	1.4	1.7	1.3	2.4	3.3	2.3	1.2	1.4	1.7	2.0	1.2	1.5	21.4	
Gainesville	2.23	2.60	2.80	4.05	4.84	3.54	2.36	2.30	2.58	2.73	2.04	2.58	35.02	6.6	7.4	6.6	6.7	7.7	6.2	4.9	4.4	4.2	4.9	5.1	5.8	70.5	1.4	1.9	2.0	2.5	3.2	2.4	1.4	1.5	1.5	1.8	1.3	1.6	22.5	
Galveston	4.34	3.14	3.26	4.05	4.39	3.35	4.71	3.62	5.82	3.84	4.19	4.82	47.98	10.0	9.0	8.0	7.0	6.0	7.0	9.0	9.0	9.0	7.0	6.0	8.0	99.0	2.6	1.7	1.9	1.8	2.1	1.7	2.4	2.2	2.9	1.9	2.0	2.5	26.0	
Greenville	3.28	3.31	3.43	4.12	5.35	3.89	3.03	2.19	2.98	3.00	3.03	3.34	40.95	8.9	8.4	7.9	8.3	9.0	6.5	6.2	5.4	6.0	6.3	6.1	7.9	86.9	2.2	2.1	2.5	3.0	3.4	2.3	1.7	2.0	1.9	2.0	2.5	27.0		
Huntsville	4.29	3.75	3.95	4.41	5.05	4.47	3.53	2.51	2.94	3.51	4.81	4.27	47.29	7.7	7.1	6.1	5.9	6.4	6.1	6.4	4.7	5.4	4.1	6.3	7.3	73.5	3.2	2.6	2.9	3.2	2.9	2.8	2.0	2.3	1.9	2.6	3.3	31.8		
Liberty	5.06	3.59	3.84	4.05	5.23	4.70	4.73	3.35	3.68	3.75	4.60	5.42	52.00	9.3	7.2	7.2	6.2	6.6	6.9	6.4	6.2	7.9	4.7	7.1	8.7	85.3	3.1	2.2	2.6	3.2	2.9	2.8	2.0	2.3	1.9	2.6	3.3	31.8		
Luling	2.46	2.32	2.48	3.68	4.07	2.99	3.11	1.84	3.24	2.51	2.46	2.59	33.75	8.0	8.0	7.2	7.7	8.2	6.7	6.4	4.9	7.6	5.5	6.7	8.9	86.8	1.6	1.4	1.7	2.4	3.4	3.4	2.1	1.6	1.1	1.9	1.6	1.4	1.8	21.0
Marshall	4.88	3.91	4.76	4.94	4.64	3.52	3.41	2.26	2.21	3.08	4.44	5.51	47.16	8.7	7.8	8.0	6.7	7.6	5.7	4.8	4.2	4.8	4.6	6.4	7.9	88.0	2.2	2.1	2.5	3.0	3.3	2.5	2.1	1.5	1.5	2.2	2.5	3.2	32.6	
Mexia	3.27	2.97	3.27	3.95	5.02	3.24	2.22	1.53	3.07	2.82	3.02	3.27	37.65	8.7	8.0	8.0	7.6	8.3	5.7	4.8	4.3	5.4	5.4	6.4	7.8	77.4	2.2	2.1	2.2	2.5	3.0	2.1	1.4	0.9	1.5	1.8	2.1	2.2	24.6	
Nacogdoches	4.61	4.10	4.39	4.73	5.49	3.33	3.59	2.24	2.67	3.07	4.78	5.32	48.32	10.8	9.1	9.2	8.1	8.2	7.0	7.9	6.4	5.9	5.4	7.9	9.0	94.0	2.8	2.2	2.6	3.2	3.2	2.5	2.1	1.1	2.0	1.7	2.3	2.8	26.9	
Palatine	3.74	3.12	3.73	3.66	4.69	3.42	2.67	1.76	3.21	2.92	4.01	4.26	44.32	7.9	7.0	7.6	8.1	9.6	7.0	6.7	5.3	5.8	5.9	6.3	7.0	84.9	2.4	2.1	2.8	3.2	3.2	2.7	2.4	1.6	2.1	1.9	2.0	2.7	31.6	
Paris	4.34	3.29	3.51	5.14	4.27	4.26	3.55	2.33	3.25	3.35	3.66	3.33	44.22	7.9	7.7	7.6	8.1	9.6	7.0	6.7	5.3	5.8	5.9	6.3	7.0	84.9	2.4	2.1	2.8	3.2	3.2	2.7	2.4	1.6	2.1	1.9	2.0	2.7	31.6	
Port Arthur	5.12	4.19	4.00	3.94	4.40	4.78	6.80	5.14	4.88	2.93	3.56	5.47	55.21	11.0	9.0	9.0	7.0	7.0	8.0	13.0	11.0	9.0	6.0	8.0	10.0	108.0	3.0	2.4	2.3	2.3	2.5	2.9	3.7	2.9	2.8	1.7	2.5	2.7	31.6	
San Antonio	1.81	1.58	2.12	3.02	3.52	3.20	2.31	1.98	3.27	2.10	1.40	1.92	27.93	8.0	8.0	7.0	8.0	8.0	7.0	6.0	5.0	7.0	6.0	8.0	84.0	1.0	0.8	1.3	2.2	2.4	1.9	1.2	1.2	1.8	1.3	0.9	1.2	17.2		
Sealy	3.68	2.93	3.63	3.92	4.23	3.56	3.91	2.70	3.63	3.31	3.66	4.54	43.70	8.2	7.7	6.8	6.6	6.6	7.1	7.3	4.9	8.0	4.8	6.1	7.6	81.7	2.1	1.8	1.9	2.3	2.6	2.2	2.2	1.4	2.6	2.0	2.3	2.6	26.2	
Victoria	2.72	1.97	2.64	2.44	4.02	3.24	4.13	2.63	3.69	2.88	2.23	2.74	32.95	5.0	6.0	5.0	5.0	6.0	5.0	4.0	4.0	4.0	4.0	5.0	7.0	65.0	1.5	1.1	1.6	1.5	2.5	2.0	2.4	1.3	2.3	1.6	1.3	1.2	21.2	
Waco	2.38	2.63	2.94	3.97	4.15	3.19	1.94	1.38	2.97	2.41	2.25	2.74	32.95	6.0	5.0	6.0	6.0	7.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	61.0	1.4	1.7	2.0	2.7	2.8	1.9	1.2	1.1	1.7	1.6	1.5	1.9	21.5	
Wichita Falls	1.31	1.49	1.61	2.35	3.86	3.40	2.19	2.07	2.72	2.78	1.39	1.47	26.64	6.0	7.0	6.0	6.0	8.0	7.0	7.0	5.0	6.0	5.0	5.0	4.0	72.0	0.9	0.9	1.0	1.7	2.7	2.5	1.5	1.4	1.9	1.7	1.0	1.0	18.2	
VIRGINIA																																								
Cape Henry	3.09	3.23	3.36	3.13	3.18	4.05	5.31	4.48	3.71	2.48	2.63	2.99	41.64	11.0	12.0	13.7	12.2	13.8	13.0	12.7	10.9	9.7	9.6	11.5	12.7	147.1	1.9	2.4	2.1	2.3	2.2	2.8	3.3	2.8	2.3	1.5	1.8	2.1	27.5	
Charlottesville	3.54	2.62	3.32	3.61	3.87	3.91	5.30	4.91	4.04	3.38	2.83	3.37	44.70	8.9	7.5	8.6	8.8	10.8	10.8	12.1	10.3	8.6	7.0	7.2	8.0	108.6	2.5	1.8	2.3	2.3	2.6	2.6	3.8	3.0	2.4	2.0	2.1	2.3	29.7	
Clarksville	3.89	3.22	3.87	3.80	3.75	4.00	5.23	4.89	4.03	2.62	2.81	3.14	45.25	9.6	9.0	9.3	9.0	9.4	8.8	10.8	9.5	7.9	6.2	7.0	8.7	105.2	2.6	2.5	2.8	2.6	2.4	2.7	3.4	3.0	2.4	1.9	1.9	2.3	30.5	
Danville	3.73	3.07	3.68	3.42	3.94	3.33	4.56	4.06	4.04	2.32	2.72	3.30	42.67	10.5	9.4	10.1	9.4	10.9	10.6	12.3	10.3	8.4	6.5	7.6	9.9	115.9	2.5	2.4	2.8	2.5	2.3	2.4	2.9	2.7	2.8	2.0	1.7	2.3	29.3	
Fredericksburg	3.32	2.36	2.90	3.11	3.62	3.20	5.07	4.50	3.80	3.19	2.41	2.67	40.15	9.1	8.2	8.7	9.1	11.1	9.7	10.5	9.3	7.9	7.0	6.8	7.7	105.1	2.3	1.7	1.9	2.1	2.7	2.3	3.4	2.8	2.1	1.7	1.5	1.7	26.2	
Hot Springs	3.05	2.50	3.27	2.96	3.64	4.02	4.32	4.92	3.23	3.08	2.83	2.74	40.56	10.6	8.9	11.0	10.4	12.4	12.6	12.7	11.6	8.9	7.6	8.5	9.7	124.9	2.1	1.7	2.2	1.9	2.2	2.3	3.4	3.0	2.0	1.7	1.8	2.1	26.5	
Lynchburg	3.43	2.48	3.57	3.13	3.09	3.88	4.15	4.35	3.10	2.87	2.37																													

FROST-FREE PERIOD FOR SELECTED STATIONS IN AND NEAR THE SOUTHERN PINE REGION

Table 3.

STATION	MAP NO.	COUNTY	LAST FROST IN SPRING	FIRST FROST IN FALL	AVG. LENGTH FROST-FREE SEASON	STATION	MAP NO.	COUNTY	LAST FROST IN SPRING	FIRST FROST IN FALL	AVG. LENGTH FROST-FREE SEASON
ALABAMA						MISSISSIPPI					
Anniston	69	Calhoun	March 26	Nov. 7	226	Booneville	71	Prentiss	March 29	Nov. 2	218
Auburn	64	Lee	March 22	Nov. 14	237	Brookhaven	81	Lincoln	March 16	Nov. 13	242
Birmingham	68	Jefferson	March 16	Nov. 10	239	Clarksdale	73	Coahoma	March 29	Nov. 1	217
Greensboro	66	Hale	March 12	Nov. 13	246	Forest	77	Scott	March 23	Nov. 6	228
Mobile	61	Mobile	Feb. 16	Dec. 7	274	Hattiesburg	83	Forrest	March 13	Nov. 1	233
Montgomery	65	Montgomery	March 3	Nov. 19	261	Jackson	78	Hinds	March 15	Nov. 11	233
St. Bernard	70	Cullman	April 8	Oct. 24	199	Meridian	76	Lauderdale	March 19	Nov. 8	235
Thomasville	62	Clarke	March 18	Nov. 10	237	Moorhead	74	Sunflower	March 23	Nov. 4	225
Troy	63	Pike	March 15	Nov. 17	247	Natchez	80	Adams	March 13	Nov. 13	245
Tuscaloosa	67	Tuscaloosa	March 23	Nov. 9	231	Poplarville	84	Pearl River	March 6	Nov. 25	264
ARKANSAS						State College	75	Oktibbeha	March 25	Nov. 6	226
Bee Branch	166	Van Buren	April 4	Oct. 29	208	Vicksburg	79	Warren	March 8	Nov. 15	252
Camden	94	Ouachita	March 25	Nov. 8	229	Water Valley	72	Yalobusha	March 31	Nov. 1	215
Fort Smith	164	Sebastian	March 21	Nov. 10	234	Waynesboro	82	Wayne	March 23	Nov. 5	227
Gravette	163	Benton	April 19	Oct. 22	186	MISSOURI					
Hope	95	Hempstead	March 21	Nov. 7	231	Clinton	151	Clinton	April 17	Oct. 20	186
Hot Springs	172	Garland	March 30	Nov. 6	221	Columbia	150	Boone	April 10	Oct. 19	192
Little Rock	171	Pulaski	March 17	Nov. 13	241	Farmington	158	St. Francis	April 15	Oct. 23	190
Lutherville	165	Johnson	April 3	Oct. 31	211	Kansas City	152	Jackson	April 7	Oct. 28	204
Mammoth Spring	161	Fulton	April 8	Oct. 22	197	Lebanon	155	Laclede	April 21	Oct. 20	182
Mariana	169	Lee	March 23	Nov. 3	225	Nevada	153	Vernon	April 15	Oct. 18	186
Marked Tree	168	Poinsett	March 27	Dec. 4	222	Poplar Bluff	159	Butler	April 10	Oct. 24	197
Mena	173	Polk	March 26	Nov. 8	227	Rolla Sch. Min.	156	Phelps	April 16	Oct. 24	191
Mountain Home	162	Baxter	April 4	Oct. 26	205	Salem	157	Dent	April 20	Oct. 19	182
Newport	167	Jackson	March 26	Oct. 31	219	Seligman	160	Barry	April 14	Oct. 19	188
Portland	93	Ashley	March 22	Nov. 5	228	Springfield	154	Greene	April 9	Oct. 25	199
Stuttgart	170	Arkansas	March 28	Oct. 30	216	St. Louis	149	St. Louis	April 3	Oct. 29	209
Texarkana	96	Miller	March 21	Nov. 9	233	NEW JERSEY					
DELAWARE						Atlantic City	103	Atlantic	April 10	Nov. 5	209
Dover	1	Kent	April 19	Oct. 24	188	NORTH CAROLINA					
Millsboro	4	Sussex	April 21	Oct. 21	183	Albemarle	19	Stanly	April 11	Oct. 27	199
Wilmington	104	New Castle	April 17	Oct. 22	187	Asheville	124	Buncombe	April 11	Oct. 23	195
DIST. OF COLUMBIA						Charlotte	26	Mecklenburg	March 24	Nov. 8	228
Washington	8		April 10	Oct. 27	200	Durham	17	Durham	April 11	Oct. 28	200
FLORIDA						Fayetteville	21	Cumberland	March 28	Nov. 5	222
Apalachicola	58	Franklin	Feb. 11	Dec. 13	305	Goldsboro	22	Wayne	April 1	Nov. 4	217
Avon Park	203	Highlands	Jan. 12	Dec. 25	347	Hickory	123	Catawba	April 5	Oct. 31	209
Daytona Beach	54	Volusia	Jan. 21	Dec. 24	337	Highlands	125	Macon	April 22	Oct. 23	184
De Funiak Springs	59	Walton	March 2	Nov. 24	267	Lumberton	25	Robeson	March 27	Nov. 7	225
Fort Myers	205	Lee			365	New Holland	23	Hyde	March 22	Nov. 14	237
Gainesville	55	Alachua	Feb. 22	Dec. 4	285	Pinehurst	20	Moore	April 2	Nov. 2	214
Jacksonville	56	Duval	Feb. 15	Dec. 11	299	Raleigh	18	Wake	March 23	Nov. 9	231
Melbourne	202	Brevard	Jan. 29	Dec. 20	329	Weldon	16	Halifax	April 11	Oct. 27	199
Miami	207	Dade			365	Wilmington	24	New Hanover	March 27	Nov. 15	237
Orlando	53	Orange	Feb. 3	Dec. 14	314	Winston-Salem	122	Forsyth	April 11	Oct. 25	197
Pensacola	60	Escambia	Feb. 20	Dec. 9	292	OKLAHOMA					
St. Petersburg	204	Pinellas	Jan. 5	Dec. 29	363	Ada	183	Pontotoc	March 27	Nov. 6	224
Tallahassee	57	Leon	Feb. 25	Dec. 4	282	Mc Alester	174	Pittsburg	March 27	Nov. 5	223
Tampa	52	Hillsborough	Jan. 13	Dec. 27	348	Marlow	182	Stephens	March 30	Nov. 5	220
West Palm Beach	206	Palm Beach			365	Muskogee	176	Muskogee	March 26	Nov. 4	223
GEORGIA						Newkirk	179	Kay	April 3	Oct. 31	211
Alapaha	47	Berrien	March 10	Nov. 17	252	Okemah	175	Okfuskee	March 28	Nov. 9	225
Albany	48	Dougherty	March 12	Nov. 16	249	Oklahoma City	180	Oklahoma	March 27	Nov. 6	224
Athens	39	Clarke	April 2	Nov. 5	217	Tulsa	177	Tulsa	March 27	Nov. 3	221
Atlanta	42	Fulton	March 24	Nov. 13	233	Pawhuska	178	Osage	April 4	Oct. 26	205
Augusta	37	Richmond	March 13	Nov. 14	247	Wichita Mt.	181	Comanche	April 10	Oct. 30	203
Brooklet	36	Bullock	March 15	Nov. 15	245	PENNSYLVANIA					
Brunswick	45	Glynn	Feb. 23	Dec. 1	282	Harrisburg	106	Dauphin	April 10	Oct. 28	201
Columbus	49	Muscogee	March 12	Nov. 16	249	Reading	105	Berks	April 16	Oct. 26	193
Dublin	44	Laurens	March 17	Nov. 11	239	SOUTH CAROLINA					
Gainesville	41	Hall	April 1	Oct. 31	213	Charleston	34	Charleston	March 2	Nov. 30	273
Hartwell	40	Hart	April 2	Nov. 2	214	Columbia	32	Lexington	March 17	Nov. 18	246
Macon	43	Bibb	March 15	Nov. 16	246	Florence	31	Florence	March 20	Nov. 11	236
Rome	50	Floyd	March 31	Nov. 3	217	Greenville	28	Greenville	March 27	Nov. 10	228
Savannah	35	Chatham	Feb. 26	Nov. 26	273	Heath Springs	30	Lancaster	March 27	Nov. 6	224
Warrenton	38	Warren	March 24	Nov. 10	231	Newberry	29	Newberry	March 29	Nov. 5	221
Waycross	46	Ware	March 9	Nov. 18	254	Orangeburg	33	Orangeburg	March 18	Nov. 14	241
ILLINOIS						Spartanburg	27	Spartanburg	March 29	Nov. 5	221
Cairo	148	Alexander	March 29	Nov. 1	217	TENNESSEE					
INDIANA						Chattanooga	51	Hamilton	March 21	Nov. 11	235
Evansville	147	Vanderburgh	April 3	Oct. 30	210	Clarksville	133	Montgomery	April 3	Oct. 26	206
Paoli	146	Orange	April 25	Oct. 16	174	Crossville	126	Cumberland	April 18	Oct. 11	176
KENTUCKY						Jackson	130	Madison	April 6	Oct. 25	202
Berea College	142	Madison	April 18	Oct. 19	184	Knoxville	134	Knox	March 30	Nov. 2	217
Greensburg	137	Green	April 21	Oct. 16	178	Lewisburg	127	Marshall	April 10	Oct. 22	195
Greenville	139	Muhlenburg	April 15	Oct. 20	188	Memphis	131	Shelby	March 17	Nov. 10	238
Leitchfield	138	Grayson	April 12	Oct. 21	192	Nashville	128	Davidson	March 30	Oct. 30	214
Lexington	143	Fayette	April 19	Oct. 22	185	Rogersville	135	Hawkins	April 18	Oct. 21	186
Louisville	145	Jefferson	April 9	Oct. 24	198	Union City	132	Obion	April 4	Oct. 26	205
Mayfield	141	Graves	April 7	Oct. 22	198	Waynesboro	129	Wayne	April 14	Oct. 20	189
Maysville	144	Mason	April 21	Oct. 19	181	TEXAS					
Princeton	140	Caldwell	April 10	Oct. 23	196	Austin	194	Travis	March 4	Nov. 25	263
Williamsburg	136	Whitley	April 16	Oct. 21	188	Beeville	200	Bee	Feb. 22	Dec. 2	283
LOUISIANA						Brownwood	191	Brown	March 25	Nov. 12	232
Baton Rouge	86	E. Baton Rouge	Feb. 24	Nov. 20	269	Corpus Christi	201	Nueces	Jan. 26	Dec. 27	335
Cheneyville	89	Rapides	March 9	Nov. 11	247	Dallas	188	Dallas	March 18	Nov. 17	244
Hammond	85	Tangipahoa	March 8	Nov. 18	255	Eastland	190	Eastland	March 26	Nov. 12	231
Lake Charles	88	Calcasieu	Feb. 25	Nov. 26	272	Fort Worth	189	Tarrant	March 13	Nov. 16	252
New Orleans	87	Orleans	Feb. 20	Dec. 9	292	Gainesville	185	Cooke	March 27	Nov. 8	226
Robeline	90	Natchitoches	March 24	Oct. 31	221	Galveston	198	Galveston	Jan. 21	Dec. 28	341
Ruston P.T.I.	91	Lincoln	March 16	Nov. 14	243	Greenville	187	Hunt	March 22	Nov. 12	235
Shreveport	92	Caddo	March 8	Nov. 15	252	Huntsville	100	Walker	March 8	Nov. 25	262
MARYLAND						Liberty	101	Liberty	March 5	Nov. 26	266
Baltimore	107	Baltimore	April 7	Oct. 31	207	Luling	196	Caldwell	March 1	Nov. 26	270
Cheltenham	3	Prince Georges	April 18	Oct. 20	185	Marshall	97	Harrison	March 17	Nov. 12	240
Crisfield	6	Somerset	April 3	Nov. 13	224	Mexia	193	Limestone	March 14	Nov. 20	251
Easton Pol.Brks.	2	Talbot	April 14	Oct. 26	195	Nacogdoches	98	Nacogdoches	March 22	Nov. 13	236
Snow Hill	5	Worcester	April 17	Oct. 24	190	Palestine	99	Anderson	March 7	Nov. 23	261
Solomons	7	Calvert	April 8	Nov. 7	213	Paris	186	Lamar	March 20	Nov. 13	238
						Port Arthur	102	Jefferson	Jan. 28	Dec. 15	321
						San Antonio	195	Bexar	Feb. 24	Dec. 3	282

FROST-FREE PERIOD FOR SELECTED STATIONS IN AND NEAR THE SOUTHERN PINE REGION

Table 3. (Continued)

STATION	MAP NO.	COUNTY	LAST FROST IN SPRING	FIRST FROST IN FALL	AVG. LENGTH FROST-FREE SEASON	STATION	MAP NO.	COUNTY	LAST FROST IN SPRING	FIRST FROST IN FALL	AVG. LENGTH FROST-FREE SEASON
TEXAS (Cont'd.)						VIRGINIA (Cont'd.)					
Sealy	197	Austin	Feb. 23	Dec. 5	284	Roanoke	120	Roanoke	April 15	Oct. 22	190
Victoria	199	Victoria	Feb. 24	Dec. 4	283	Wytheville	121	Wythe	April 17	Oct. 16	182
Waco	192	McLennan	March 10	Nov. 15	250	WEST VIRGINIA					
Wichita Falls	184	Wichita	March 22	Nov. 14	237	Bayard	109	Grant	May 25	Sept. 21	119
VIRGINIA						Charleston	113	Kanawha	April 20	Oct. 23	186
Cape Henry	12	Princess Anne	March 21	Nov. 21	245	Gary	117	McDowell	April 26	Oct. 10	167
Charlottesville	119	Albemarle	April 6	Nov. 5	213	Huntington	112	Cabell	April 17	Oct. 20	186
Clarksville	14	Mecklenburg	April 8	Oct. 27	203	Elkins	115	Randolph	May 9	Oct. 7	150
Danville	15	Pittsylvania	April 4	Oct. 3	209	Mannington	110	Marion	May 9	Oct. 7	151
Fredericksburg	9	Spottsylvania	April 15	Oct. 25	193	Martinsburg	108	Berkeley	April 22	Oct. 16	177
Hot Springs	118	Bath	May 1	Oct. 12	164	Parkersburg	111	Wood	April 18	Oct. 19	184
Lynchburg	10	Campbell	April 4	Oct. 25	204	Pickens	114	Randolph	May 13	Oct. 3	143
Norfolk	13	Norfolk	March 23	Nov. 18	239	Union	116	Monroe	May 10	Oct. 5	148
Richmond	11	Henrico	March 29	Nov. 2	218						

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